

The listing of claims will replace all prior versions, and listing, of claims in the application:

LISTING OF CLAIMS

Claims 1-23. (Canceled)

Claim 24. (Currently Amended) A method for producing an article of sheet material with temperature regulation means, the method comprising the steps of:

providing a die having a generally flat surface with a rib upstanding from the surface;

the rib winding lengthwise and widthwise of the die surface with a plurality of generally 180° turns therein;

ends of the rib being coincident with an edge of the die and being proximate to each other;

providing a flexible sheet of breathable polymer material;

applying the die surface and rib to the sheet under pressure and sufficient temperature to cause the rib to form a groove in the sheet; and

fixing a tube in the groove, the tube comprising a heat-conducting polymer and having an inlet and an outlet, and
the tube being wholly contained in the groove and extending from one end of the groove to another end of the groove;
attaching a reservoir to the article and to remote ends of the tube inlet and outlet;
applying temperature influencing means to the reservoir; and
providing temperature conditioned means to the reservoir, whereby the
temperature conditioned means is furnished from the reservoir through the
tube to provide a selected temperature to the sheet, and furnished back to
the reservoir for a further cycle; and
wherein the die is heated to about 400°F and is applied under pressure of about
500 p.s.i.

Claim 25. (Original) The method in accordance with claim 24 wherein the die is of aluminum.

Claim 26. (Original) The method in accordance with claim 25 wherein the sheet is of methane foam.

Claim 27 and 28. (Canceled)

Claim 29 and 30. (Canceled)